

File

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State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-469  
Relating to Certification of New Motor Vehicles

DAIMLERCHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 2000 model-year DaimlerChrysler Corporation exhaust emission control systems are certified as described below for medium-duty vehicles:

Emission Standard Category: Super-Ultra-Low-Emission Vehicle (SULEV)

Fuel Type: Compressed Natural Gas (CNG)

Engine Family: YCRXT05.26RC Displacement: 5.2 Liters (318 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way plus Oxidation Catalytic Converter  
Dual Heated Oxygen Sensors  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The SULEV certification exhaust emission standards for this engine family in grams per mile are:

| Test Weight<br>(lbs.) | Miles   | Non-Methane<br>Organic Gases | Carbon<br>Monoxide | Nitrogen<br>Oxides | Formaldehyde |
|-----------------------|---------|------------------------------|--------------------|--------------------|--------------|
| 5751-8500             | 50,000  | 0.059                        | 2.5                | 0.3                | 0.006        |
|                       | 120,000 | 0.084                        | 3.7                | 0.45               | 0.008        |

The CNG certification exhaust emission values set forth for NMOG reflect application of a reactivity adjustment factor (RAF) for CNG-fueled medium-duty SULEVs, and the addition of the product of the methane exhaust emission value and a RAF for methane emission of CNG-fueled medium-duty SULEVs.

Reactivity Adjustment Factor for NMOG Mass Emission: 0.72

Reactivity Adjustment Factor for Methane Mass Emission: 0.0047

The SULEV certification exhaust emission values for this engine family in grams per mile are:

| <u>Test Weight</u><br><u>(lbs.)</u> | <u>Miles</u> | <u>Non-Methane</u><br><u>Organic Gases</u> | <u>Carbon</u><br><u>Monoxide</u> | <u>Nitrogen</u><br><u>Oxides</u> | <u>Formaldehyde</u> |
|-------------------------------------|--------------|--|----------------------------------|----------------------------------|---------------------|
| 5751-8500                           | 50,000       | 0.027                                      | 2.4                              | 0.2                              | 0.001               |
|                                     | 120,000      | 0.035                                      | 2.9                              | 0.20                             | 0.002               |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).


BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 13<sup>th</sup> day of October 1999.



R. B. Summerfield, Chief  
Mobile Source Operations Division